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PATENT

IN THE CLAIMS

1. (currently amended) A substrate manager, comprising:
 - a substrate storage system with a stack of substrates;
 - a substrate picker for picking substrates from the stack of substrates;
 - a substrate inverter system for inverting the substrates, comprising a leading arm and a lagging arm for carrying the substrates over an arcuate transfer path between the substrate storage system and a substrate transfer system; and
 - a substrate transfer system for providing the substrates, after being inverted, to an imaging engine.
2. (currently amended) -A- The substrate manager as claimed in claim 1, wherein the substrate storage system is capable of containing multiple cassettes for holding stacks of substrates.
3. (currently amended) -A- The substrate manager as claimed in claim 1, wherein the substrate picker ~~includes~~ comprises a substrate peeler for separating a substrate from the stack of substrates.
4. (currently amended) -A- The substrate manager as claimed in claim 3, further comprising a slip sheet separator for ensuring that a slip sheet separating substrates is separated from the substrate that is being picked by the substrate picker.
5. (currently amended) -A- The substrate manager as claimed in claim 1, wherein the substrate inverter system comprises an arcuate transfer path over which substrates are carried to invert the substrates and transfer the substrates between the substrate storage system and the substrate transfer system.
6. (canceled)

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7. (currently amended) -A- The substrate manager as claimed in claim -6- 1, wherein the leading arm carries a header of the substrates over the arcuate transfer path and the lagging arm carries a trailing edge of the substrates over the arcuate transfer path.

8. (currently amended) -A- The substrate manager as claimed in claim 1, wherein substrate inverter system comprises at least one arm that includes a first roller and a second roller for both holding substrates and moving the substrates relative to the at least one arm.

9. (currently amended) A plate inverter for a platesetter system, the plate inverter comprising:

a plate picker for picking a plate; and
~~an arcuate transfer path over which the plate is conveyed between the plate picker and an imaging engine~~
a leading arm and a lagging arm for carrying the plate over an arcuate transfer path between the plate picker and an imaging engine.

10. (canceled)

11. (canceled)

12. (currently amended) -A- The plate inverter as claimed in claim -11- 9, wherein the leading arm carries a header of the plate over the arcuate transfer path and the lagging arm carries a trailing edge of the plate over the arcuate transfer path.

13. (currently amended) -A- The plate inverter as claimed in claim -11- 9, wherein the leading arm comprises a first roller and a second roller for both holding the plate and moving the plate relative to the leading arm.

14. (currently amended) A method of managing substrates for a substrate exposure machine, the method comprising:

storing substrates to be exposed in a stack of substrates;

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picking the substrates from the stack of substrates;
inverting the substrates by conveying the substrates over an arcuate transfer path; and
conveying the substrates, after being inverted, to an imaging engine by holding
headers of the substrates with a leading arm and guiding the headers over the arcuate transfer
path; and holding trailing edges of the substrates with a lagging arm and guiding the trailing
edges over the arcuate transfer path.

15. (currently amended) A- The method as claimed in claim 14, wherein the step of
storing substrates comprising comprises storing stacks of substrates in cassettes.

16. (currently amended) A- The method as claimed in claim 14, wherein the step of
picking the substrates includes comprises peeling the substrates to separate the substrates
from the stack of substrates.

17. (currently amended) A- The method as claimed in claim 14, further comprising
separating slip sheets from the substrates as the substrates are being picked.

18. (cancelled)

19. (canceled)

20. (currently amended) A- The method as claimed in claim 19- 14, further
comprising seeding the substrates with rollers on the leading arm after the headers of the
substrates have been conveyed over the arcuate transfer path.

21. (original) A printing plate handler for a platesetter system, the plate handler
comprising:

an arm including a first nip roller and a second nip roller for closing on a plate and
pulling the plate through an arcuate path and then rotating to drive the plate between the first
nip roller and the second nip roller.

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22. (currently amended) -A- The plate handler as claimed in claim 21, further comprising a second arm including a ~~first~~ third nip roller and a ~~second~~ fourth nip roller for conveying a trailing edge of the plate over the arcuate path.

23. (currently amended) -A- The plate handler as claimed in claim 21, wherein the plate handler receives plates from a plate storage system.

24. (currently amended) -A- The plate handler as claimed in claim 21, wherein the plate handler provides plates to an imaging engine.